Coal Alternative Energy Sources(b)

NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	LPG	Other(e)
		Total United States								
311 3112 311221 31131 3114 3115 3116 312 3122 313 314 315 316 321 32110 32110 32212 322110 322120 322110 322120 322130 323 32410 32419 325120 325181 325120 325182 325182 325182 325182 325182 325182 325192 325193 325192 325212 325212 325212 325212 325212 325212 325212 325212 325212 325212 325212 325212 325212 325212 325212 325212 325212 325212 325212 325412 32592 3261 32592 3261 32592 3261 32592 3261 32592 3263 32592 32525412 325992 32572 32	Food Grain and Oilseed Milling Wet Corn Milling Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Foods Dairy Products Animal Slaughtering and Processing Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paperboard Mills Printing and Related Support Petroleum and Coal Products Chemicals Petrochemicals Industrial Gases Alkalies and Chlorine Carbon Black Other Basic Inorganic Chemicals Cyclic Crudes and Intermediates Ethyl Alcohol Other Basic Organic Chemicals Plastics Materials and Resins Synthetic Rubber Noncellulosic Organic Fibers Nitrogenous Fertilizers Phosphatic Fertilizers Phosphatic Fertilizers Pharmaceuticals and Medicines Pharmaceuticals Film, Paper, Plate, and Chemicals Plastics and Rubber Products Nonmetallic Mineral Products Nonmetallic Mineral Products Nonmetallic Mineral Products	Consumed(c) Total United States 6,603 5,099 4,243 1,395 50 10 0 883 700 0 0 0 0 0 0 0 0 0 0 2,387 3,7 2,351 7,535 7,535 0 0 0 1,030 0 2,3446 482 289 390 0 76 284 227 711 0 0 11,429	1,013 658 474 346 0 0 10 271 175 95 Q 66 0 0 0 Q 3,090 0 1,854 0 1,221 0 10 3 3 7 2,111 0 0 0 0 142 442 442 442 442 442 442 442 442 442	\$\text{5,373} \\ 4,323 \\ 3,770 \\ 1,050 \\ 0 \\ 0 \\ 612 \\ 524 \\ 88 \\ 1,098 \\ Q \\ 0 \\ 56 \\ 0 \\ 6,596 \\ 278 \\ 3,581 \\ 1,903 \\ 0 \\ 6,596 \\ 278 \\ 3,581 \\ 1,903 \\ 0 \\ 96 \\ 344 \\ 622 \\ 3,704 \\ 0 \\ 0 \\ 0 \\ 297 \\ 0 \\ 19 \\ 97 \\ 1,862 \\ 482 \\ 140 \\ 151 \\ 0 \\ 76 \\ 121 \\ 64 \\ 327 \\ Q \\ 10,365	Receipts(d) 27 27 27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	981 630 474 341 0 10 0 248 175 73 Q 33 0 0 0 Q 1,705 0 909 0 779 0 10 3 7 1,216 0 0 0 0 407 442 0 52 26 0 0 0 163 163 0 Q 1,955	Fuel Oil 303 200 44 93 0 10 0 95 0 0 54 0 0 0 0 0 451 0 0 324 0 1177 0 0 0 479 0 0 0 0 198 0 0 0 198 0 0 0 198 0 0 0 131 0 0 367	93 0 0 0 93 0 0 0 30 0 0 0 0 0 0 0 0 0 0	271 271 271 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	86 82 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
327211 327212 327213 327215 327310 327410 327420 327993 331 331111 331112 3312 3313 331314 331315 331316 3314 331521 331521 331524 332 333 333 334	Flat Glass Other Pressed and Blown Glass and Glassware Glass Containers Glass Products from Purchased Glass Cements Lime Gypsum Mineral Wool Primary Metals Iron and Steel Mills Electrometallurgical Ferroalloy Products Steel Products from Purchased Steel Alumina and Aluminum Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Aluminum Extruded Products Nonferrous Metals, except Aluminum Foundries Iron Foundries Aluminum Die-Casting Foundries Aluminum Die-Casting Foundries Aluminum Foundries, except Die-Casting Fabricated Metal Products Machinery Computer and Electronic Products	0 0 0 Q 10,577 3,539 0 0 950 640 97 10 4 4 4 0 0 200 0 0 0	0 0 0 0 2,011 540 0 0 427 382 0 10 0 0 0 0 0 36 0 0 0	0 0 0 0 7,659 2,465 0 0 395 251 0 0 4 4 4 0 0 140 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1,521 402 0 0 0 422 381 0 10 0 0 0 0 0 0 0 0	0 0 0 332 36 0 0 16 0 0 0 0 0 0 0 0 0 0 0	0 0 0 27 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 162 102 0 0 6 1 1 0 0 0 0 0 4 0 0

Released: June 2010

Table 10.10 Capability to Switch Coal to Alternative Energy Sources, 2006;

Level: National Data and Regional Totals;

Row: NAICS Codes, Value of Shipments and Employment Sizes;

Column: Energy Sources;

Unit: Thousand Short Tons.

	Unit: Thousand Short Tons.									
			Coal	Ţ			Alternative Energ	y Sources(b)		
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	LPG	Other(e)
334413	Semiconductors and Related Devices	0	0	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0	0	0
336 336111	Transportation Equipment Automobiles	231 88	Q 3	173 85	0	Q 3	0	0	0	0
336112	Light Trucks and Utility Vehicles	54	0	54	0	0	0	0	0	0
3364	Aerospace Product and Parts	14	0	0	0	0	0	0	0	0
336411	Aircraft	0	0	0	0	0	0	0	0	0
337 339	Furniture and Related Products Miscellaneous	114 0	86 0	29 0	0	39 0	0	15 0	0	Q 0
000	Total	45,729	10,660	28,935	543	7,602	1,765	1,828	347	928
		Northeast Census Reg	ion							
311	Food	0	0	0	0	0	0	0	0	0
3112	Grain and Oilseed Milling	0	0	0	0	0	0	0	0	0
311221	Wet Corn Milling	0	0	0	0	0	0	0	0	0
31131 3114	Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Foods	0	0	0	0	0	0	0	0	0
3115	Dairy Products	ő	0	Ö	0	0	Ö	Ő	ő	Ö
3116	Animal Slaughtering and Processing	0	0	0	0	0	0	0	0	0
312	Beverage and Tobacco Products	0	0	0	0	0	0	0	0	0
3121 3122	Beverages Tobacco	0	0	0	0	0	0	0	0	0
3122	Textile Mills	0	0	0	0	0	0	0	0	0
314	Textile Product Mills	Q Q	Q	0	0	0	Q	0	0	0
315	Apparel	0	0	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0	0	0
321 321113	Wood Products Sawmills	0	0	0	0	0	0	0	0	0
321113	Veneer, Plywood, and Engineered Woods	0	0	0	0	0	0	0	0	0
3219	Other Wood Products	0	0	0	0	0	0	0	0	0
322	Paper	677	494	184	1	58	146	405	57	0
322110	Pulp Mills	0	0	0	0	0	0	0	0	0
322121 322122	Paper Mills, except Newsprint Newsprint Mills	639 0	494 0	146 0	0	58 0	146 0	405 0	57 0	0
322130	Paperboard Mills	0	0	0	0	0	0	0	0	Õ
323	Printing and Related Support	0	0	0	0	0	0	0	0	0
324	Petroleum and Coal Products	103	7	96	7	7	0	0	0	0
324110 324199	Petroleum Refineries Other Petroleum and Coal Products	34 69	0 7	34 62	0 7	0 7	0	0	0	0
325	Chemicals	711	384	327	0	0	131	253	0	0
325110	Petrochemicals	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0	0	0
325181 325182	Alkalies and Chlorine Carbon Black	0	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	0	0	0	0	0	0	0	0	0
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0	0	0	Õ
325193	Ethyl Alcohol	0	0	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	0	0	0	0	0	0	0	0	0
325211 325212	Plastics Materials and Resins Synthetic Rubber	0	0	0	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	Ö	Ö	Ö	0	0	Ö	Ö	Ö	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0	0	0	0
325412 325992	Pharmaceutical Preparation Photographic Film, Paper, Plate, and Chemicals	0 711	0 384	0 327	0	0 0	0 131	0 253	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products	1,763	33	1,579	0	33	0	0	0	0
327211	Flat Glass	0	0	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0	0	0
327213 327215	Glass Containers Glass Products from Purchased Glass	0 Q	0	0 Q	0	0 0	0	0	0	0
327310	Cements	1,464	0	1,312	0	0	0	0	0	0
327410	Lime	126	ő	126	Ö	ő	ő	ő	Ö	ő
327420	Gypsum	0	0	0	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0	0	0
331 331111	Primary Metals Iron and Steel Mills	132 2	37 1	95 1	0	31 0	16 0	0	0	6
331111	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	ő	0	Ö	ő	ő	ő	Ö	ő
3313	Alumina and Aluminum	0	0	0	0	0	0	0	0	0

Coal	Alternative Energy Sources(b)

NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	LPG	Other(e)
331314 331315 331316 3314 3315 331521 331524 332 333 334 334413 335 336 336111 336112 3364 336411 337 339	Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils Aluminum Extruded Products Nonferrous Metals, except Aluminum Foundries Iron Foundries Iron Foundries Aluminum Die-Casting Foundries Aluminum Foundries, except Die-Casting Fabricated Metal Products Machinery Computer and Electronic Products Semiconductors and Related Devices Electrical Equip., Appliances, and Components Transportation Equipment Automobiles Light Trucks and Utility Vehicles Aerospace Product and Parts Aircraft Furniture and Related Products Miscellaneous Total	0 0 130 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 36 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
311 3112 311221	Food Grain and Oilseed Milling Wet Corn Milling	5,373 4,650 3,968	856 620 436	4,317 3,928 3,531	27 27 0	829 593 436	303 200 44	93 0 0	271 271 271 271	82 82 0
31131 3114 3115	Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Foods Dairy Products	614 50 10	226 0 10	388 0 0	0 0 0	226 0 10	93 0 10	93 0 0	0 0 0	0 0 0
3116 312 3121 3122	Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco	0 223 223 0	0 152 152 0	0 71 71 0	0 0 0 0	0 152 152 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
313 314 315 316	Textile Mills Textile Product Mills Apparel Leather and Allied Products	0 0 0 0	0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
321 321113 3212 3219	Wood Products Sawmills Veneer, Plywood, and Engineered Woods Other Wood Products	Q 0 54 Q	Q 0 0 Q	54 0 54 0	0 0 0	Q 0 0 Q	0 0 0 0	0 0 0 0	0 0 0	0 0 0 0
322 322110 322121	Paper Pulp Mills Paper Mills, except Newsprint	2,849 0 2,110	927 0 642	1,825 0 1,464	194 0 194	903 0 619	9 0 0	105 0 105	0 0 0	62 0 62
322122 322130 323 324	Newsprint Mills Paperboard Mills Printing and Related Support Petroleum and Coal Products	0 514 0 2,285	0 269 0 3	0 152 0 0	0 0 0 0	0 269 0 3	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
324110 324199 325 325110	Petroleum Refineries Other Petroleum and Coal Products Chemicals Petrochemicals	3 2,282 2,194 0	3 0 993 0	0 0 856 0	0 0 0 0	3 0 861 0	0 0 313 0	0 0 0 0	0 0 Q 0	0 0 0 0
325120 325181 325182 325188	Industrial Gases Alkalies and Chlorine Carbon Black	0 0 0 29	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0 0	0 0 0
325192 325193 325199	Other Basic Inorganic Chemicals Cyclic Crudes and Intermediates Ethyl Alcohol Other Basic Organic Chemicals	0 855 517	0 442 139	0 97 378	0 0 0	0 407 139	0 0 198 0	0 0 0	0 0 0	0 0 0 0
325211 325212 325222 325311	Plastics Materials and Resins Synthetic Rubber Noncellulosic Organic Fibers Nitrogenous Fertilizers	261 149 0 0	0 149 0 0	261 0 0 0	0 0 0 0	0 52 0 0	0 97 0 0	0 0 0 0	0 0 0 0	0 0 0 0
325312 3254 325412 325992	Phosphatic Fertilizers Pharmaceuticals and Medicines Pharmaceutical Preparation Photographic Film, Paper, Plate, and Chemicals	0 284 227 0	0 163 163 0	0 121 64 0	0 0 0	0 163 163 0	0 Q Q 0	0 0 0 0	0 Q Q 0	0 0 0 0
326 327 327211 327212	Plastics and Rubber Products Nonmetallic Mineral Products Flat Glass Other Pressed and Blown Glass and Glassware	3,730 0 0	0 572 0 0	2,513 0 0	0 0 0 0	0 435 0 0	0 0 0 0	0 11 0 0	0 0 0 0	0 126 0 0

Released: June 2010

Table 10.10

Capability to Switch Coal to Alternative Energy Sources, 2006;
Level: National Data and Regional Totals;
Row: NAICS Codes, Value of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Thousand Short Tons.

	Unit: Thousand Short Tons.										
			Coal		Alternative Energy Sources(b)						
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	LPG	Other(e)	
327213	Glass Containers	0	0	0	0	0	0	0	0	0	
327215 327310	Glass Products from Purchased Glass Cements	0 2,214	0 W	0 W	0	203	0	0 11	0	0 45	
327410	Lime	1,516	W	w	0	232	0	0	0	82	
327420	Gypsum	0	0	0	0	0	0	0	0	0	
327993	Mineral Wool	0	0	0	0	0	0	0	0	0	
331 331111	Primary Metals Iron and Steel Mills	581 475	390 381	94 94	0	390 381	0	0	0	0	
331111	Electrometallurgical Ferroalloy Products	97	0	0	0	0	0	0	0	0	
3312	Steel Products from Purchased Steel	10	10	0	0	10	0	0	0	0	
3313	Alumina and Aluminum	0	0	0	0	0	0	0	0	0	
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0	0	0	
331315 331316	Aluminum Sheet, Plate and Foils Aluminum Extruded Products	0	0	0	0	0	0	0	0	0	
3314	Nonferrous Metals, except Aluminum	0	0	0	0	0	0	0	0	0	
3315	Foundries	0	0	0	0	0	0	0	Ō	0	
331511	Iron Foundries	0	0	0	0	0	0	0	0	0	
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0	0	0	
331524 332	Aluminum Foundries, except Die-Casting Fabricated Metal Products	0	0	0	0	0	0	0	0	0	
333	Machinery	54	28	26	9	19	0	0	0	0	
334	Computer and Electronic Products	0	0	0	0	0	0	0	0	0	
334413	Semiconductors and Related Devices	Ō	0	0	0	0	0	0	0	0	
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0	0	0	
336 336111	Transportation Equipment Automobiles	204 75	Q 3	160 72	0	Q 3	0	0	0	0	
336111	Light Trucks and Utility Vehicles	54	0	54	0	0	0	0	0	0	
3364	Aerospace Product and Parts	0	0	0	0	0	0	0	0	0	
336411	Aircraft	Ō	0	0	0	0	0	0	0	0	
337	Furniture and Related Products	59	41	18	0	39 0	0	15	0	0	
339	Miscellaneous Total	0 18,143	0 4,542	0 9,935	0 230	4,211	0 626	0 224	0 290	0 270	
		South Census Region									
311	Food	534	37	479	0	37	0	0	0	0	
3112	Grain and Oilseed Milling	449	37	394	0	37	0	0	0	0	
311221	Wet Corn Milling	276	37	238	0	37	0	0	0	0	
31131	Sugar Manufacturing	85	0	85	0	0	0	0	0	0	
3114	Fruit and Vegetable Preserving and Specialty Foods	0	0	0	0	0	0	0	0	0	
3115 3116	Dairy Products Animal Slaughtering and Processing	0	0	0	0	0	0	0	0	0	
312	Beverage and Tobacco Products	333	119	214	0	97	95	30	Ő	0	
3121	Beverages	150	Q	126	0	Q	0	0	0	0	
3122	Tobacco	183	95	88	0	73	95	30	0	0	
313 314	Textile Mills Textile Product Mills	1,428 Q	Q 32	1,098 Q	0	Q 32	0 20	0	0	0	
315	Apparel	0	0	0	0	0	0	0	0	0	
316	Leather and Allied Products	0	Ö	Ö	0	Ö	Ö	Ö	Ö	Ö	
321	Wood Products	29	0	Q	0	0	0	0	0	0	
321113	Sawmills	0	0	0	0	0	0	0	0	0	
3212 3219	Veneer, Plywood, and Engineered Woods Other Wood Products	29 0	0	Q 0	0	0	0	0	0	0	
322	Paper	5,785	1,609	4,006	99	715	296	709	0	433	
322110	Pulp Mills	278	0	278	0	0	0	0	0	0	
322121	Paper Mills, except Newsprint	2,762	718	1,978	6	233	179	248	0	70	
322122	Newsprint Mills	30	0	0	0	0	0	0	0	0	
322130 323	Paperboard Mills Printing and Related Support	2,715 0	891 0	1,751 0	92 0	482 0	117 0	461 0	0	362 0	
324	Petroleum and Coal Products	0	0	0	0	0	0	0	0	0	
324110	Petroleum Refineries	0	0	0	0	0	0	0	0	0	
324199	Other Petroleum and Coal Products	0	0	0	0	0	0	0	0	0	
325	Chemicals	3,601	709	2,223	207	329	35	191	0	0	
325110 325120	Petrochemicals Industrial Gases	0	0	0	0	0	0	0	0	0	
325120	Alkalies and Chlorine	444	0	0	0	0	0	0	0	0	
325182	Carbon Black	0	Ö	Ö	Ö	Ö	Ö	Ö	ő	Ö	
325188	Other Basic Inorganic Chemicals	269	168	19	168	0	0	0	0	0	
325192	Cyclic Crudes and Intermediates Ethyl Alcohol	0	0	0	0	0	0	0	0	0	
325193 325199	Other Basic Organic Chemicals	0 1,929	0 303	0 1,484	0	0 303	0	0 0	0 0	0	
325211	Plastics Materials and Resins	222	0	222	0	0	0	0	0	0	
1											

Coal	Alternative Energy Sources(b)

	AICS ode(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	LPG	Other(e)
Section Sect		Synthetic Rubber			140		0		0	0	0
25510 Proprieto Free Proprieto 76 0 78 0 0 0 0 0 0 0 0 0	325222	Noncellulosic Organic Fibers	390	238	151	39		35	191	0	0
Plasmisseculius and Medicines 0 0 0 0 0 0 0 0 0											0
255-11 Pleasmoontaine Proposedies O O O O O O O O O						-				-	0
						-					0
Pleatics ame Rubbert Products			Õ	-		-					0
S2711 Flat Glace		Plastics and Rubber Products				0			0	0	0
227212 Other Present and Blown Class and Classoner 0						•					112
S27213 Class Containers						-				-	0
202716 Calcin Products from Purchased Glace 1			-								0
S27191 Cements			*		*	•					0
22710 Line			4,456	-	3.246	-					92
S27993						0				0	20
Primary Moting						-					0
331111											0
33112 Sent-contentially products 0 0 0 0 0 0 0 0 0				-		-	-		-	-	0
Sale Poducts from Purchased Street 0 0 0 0 0 0 0 0 0				-		-	-			-	0
S313 Aurma and Aluminam			•	-		•				-	0
331315 Aurmium Stepher Pietre and Folis 0 0 0 0 0 0 0 0 0			4	0	4	0	0	Ō	0	Ō	0
33116 Aluminum Excursion Frontains 0 0 0 0 0 0 0 0 0			4	0	4	0	0	0	0	0	0
Salid Nonferrous Metals, scope Aluminum 70 0 46 0 0 0 0 0 0 0 0 0			•			-					0
33151 Foundies			O .			-	-				0
331511 Iron Foundries 0 0 0 0 0 0 0 0 0				-		•	-			-	0
331521 Aluminum Disc-Casting Foundries 0 0 0 0 0 0 0 0 0			•	-		-	-			-	0
33124 Aluminum Foundries, except Dec-Casting 0 0 0 0 0 0 0 0 0			Ö	-		-	-		-		Ő
Machinery			0	0	0	0	0		0	0	0
334413 Computer and Electronic Products 0 0 0 0 0 0 0 0 0			0			-					0
33413 Semiconductors and Related Devices 0 0 0 0 0 0 0 0 0			•	-	-	-	-		-	-	0
Signature Sign			-	-		-	-			-	0
336			•			•	-		-		0
336111 Automobiles 13						-	-			-	0
336112											0
Aircraft	336112		0			0	-				0
Superinger Sup				-							0
Miscellaneous 0					•	•	-				0
Total											Q 0
Food	39										590
31122 Grain and Oilseed Milling 0 0 0 0 0 0 0 0 0				, -	,		,				
3112 Grain and Oilseed Milling 0 0 0 0 0 0 0 0 0											
311221 Wet Corn Milling											4
31131 Sugar Manufacturing 696 120 576 0 115 0 0 0 0 0 115 0 0 0 0 0 115 0 0 0 0 0 0 115 0 0 0 0 0 0 0 0 0						-					0
3114 Fruit and Vegetable Preserving and Specialty Foods 0 0 0 0 0 0 0 0 0											4
3115						-					0
312 Beverage and Tobacco Products 326 0 326 0 0 0 0 0 0 0 0 0			0	0		0			0	0	0
3121 Beverages 326 0 326 0 0 0 0 0 0 0 0 0		Animal Slaughtering and Processing	•	-		0				-	0
3122 Tobacco Tobacco						-					0
313 Textile Mills				-		-	-		-		0
314 Textile Product Mills			•	-	-	-	-			-	0
315 Apparel 0 0 0 0 0 0 0 0 0			*	*	-	-	*	-	-	-	0
Section Continue			0	0	0	0	0	0	-	-	0
321113 Sawmills 0 <		Leather and Allied Products	0	0	0	0	0	0	0	0	0
3212 Veneer, Plywood, and Engineered Woods 0						-					0
3219 Other Wood Products 0 0 0 0 0 0 0 0 0 0 322 Paper 642 61 581 0 28 0 0 0 0 322110 Pulp Mills 0 0 0 0 0 0 0 0 322121 Paper Mills, except Newsprint Mills 0 0 0 0 0 0 0 0 322122 Newsprint Mills 581 0 581 0 0 0 0 0 0 322130 Paper board Mills 61 61 61 0 0 28 0 0 0 323 Printing and Related Support 0 0 0 0 0 0 0											0
322 Paper 642 61 581 0 28 0 0 0 322110 Pulp Mills 0 0 0 0 0 0 0 0 322121 Paper Mills, except Newsprint 0 0 0 0 0 0 0 0 322122 Newsprint Mills 581 0 581 0 0 0 0 0 322130 Paperboard Mills 61 61 61 0 0 28 0 0 0 323 Printing and Related Support 0 0 0 0 0 0 0						-					0
322110 Pulp Mills 0			-			•		-	-		0 33
322121 Paper Mills, except Newsprint 0 0 0 0 0 0 0 0 322122 Newsprint Mills 581 0 581 0 0 0 0 0 0 322130 Paperboard Mills 61 61 61 0 0 28 0 0 0 323 Printing and Related Support 0 0 0 0 0 0 0						-					0
322122 Newsprint Mills 581 0 581 0 0 0 0 0 0 322130 Paperboard Mills 61 61 0 0 28 0 0 0 323 Printing and Related Support 0 0 0 0 0 0 0						-					0
322130 Paperboard Mills 61 61 0 0 28 0 0 0 323 Printing and Related Support 0 0 0 0 0 0 0 0	322122		581			0		0	0	Ó	0
	322130					•					33
■374 Petrojeum and Coal Products () () () () () () () () () () () ()						-		-		-	0
		Petroleum and Coal Products	0	0	0	0	0	0	0	0	0
324110 Petroleum Refineries 0 0 0 0 0 0 0 0 0	324110	renoleum keilnenes	U	0	U	U	0	U	U	U	0

Released: June 2010

Table 10.10

Capability to Switch Coal to Alternative Energy Sources, 2006;
Level: National Data and Regional Totals;
Row: NAICS Codes, Value of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Thousand Short Tons.

Coal	Alternative Energy Sources(b)

NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	LPG	Other(e)
324199	Other Petroleum and Coal Products	0	0	0	0	0	0	0	0	0
325	Chemicals	1,029	26	297	0	26	0	0	0	0
325110 325120	Petrochemicals	0	0	0	0	0	0	0	0	0
325120	Industrial Gases Alkalies and Chlorine	0 297	0	0 297	0	0	0	0	0	0
325181	Carbon Black	297	0	297	0	0	0	0	0	0
325182	Other Basic Inorganic Chemicals	732	26	0	0	26	0	0	0	0
325100	Cyclic Crudes and Intermediates	732 0	0	0	0	0	0	0	0	0
325192	Ethyl Alcohol	0	0	0	0	0	0	0	0	0
325193	Other Basic Organic Chemicals	0	0	0	0	0	0	0	0	0
325211	Plastics Materials and Resins	0	0	0	0	0	0	0	0	0
325211	Synthetic Rubber	0	0	0	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	Ö	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	Ő	0	0	0	Ő
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	Õ	0	0	Ö	Õ	0	0
325412	Pharmaceutical Preparation	0	0	Ö	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	Õ	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products	2,995	703	2,292	Ō	642	36	Ö	Ö	26
327211	Flat Glass	0	0	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0	0	0	0	0	0
327310	Cements	2,442	W	W	0	625	0	0	0	26
327410	Lime	553	W	W	0	16	36	0	0	*
327420	Gypsum	0	0	0	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0	0	0
331	Primary Metals	0	0	0	0	0	0	0	0	0
331111	Iron and Steel Mills	0	0	0	0	0	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0	0	0
3313	Alumina and Aluminum	0	0	0	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	0	0	0	0	0	0	0	0	0
3315	Foundries	0	0	0	0	0	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0	0	0	0
332	Fabricated Metal Products	0	0	0	0	0	0	0	0	0
333	Machinery	0	0	0	0	0	0	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0	0	0
336 336111	Transportation Equipment	0	0	0	0	0	0	0	0	0
	Automobiles	0	0	-	-	0	-	0	-	-
336112 3364	Light Trucks and Utility Vehicles Aerospace Product and Parts	0	0	0	0	0	0	0	0	0
336411		0	0	0	0	0	0	0	0	0
336411	Aircraft Furniture and Related Products	0	0	0	0	0	0	0	0	0
337	Miscellaneous	0	0	0	0	0	0	0	0	0
335	Total	5,688	909	4,073	0	811	36	0	0	63
	i otai	3,000	909	4,073	U	011	36	J	U	03
	Economic Characteristic (f)									

Value of Shipments and Receipts (million dollars)									
Under 20	925	115	771	0	106	0	0	0	9
20-49	4,182	590	2,475	7	442	131	62	19	112
50-99	7,007	1,591	4,296	0	1,463	114	47	0	63
100-249	11,829	3,291	8,317	28	2,525	874	68	57	302
250-499	10,971	2,447	5,384	136	1,305	206	1,107	271	354
500 and Over	10,815	2,626	7,692	371	1,761	441	544	0	88
Total	45,729	10,660	28,935	543	7,602	1,765	1,828	347	928
Employment Size									
Under 50	1,430	118	1,312	0	90	23	0	0	5
50-99	2,879	373	2,207	0	302	104	0	19	0
100-249	15,210	3,926	7,569	34	3,302	744	120	0	353

Released: June 2010

Next MECS will be conducted in 2010

Table 10.10 Capability to Switch Coal to Alternative Energy Sources, 2006;

Level: National Data and Regional Totals;

Row: NAICS Codes, Value of Shipments and Employment Sizes;

Column: Energy Sources; Unit: Thousand Short Tons.

		-		-						_
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	LPG	Other(e)
	250-499	10,956	1,937	8,407	102	1,441	370	182	57	119
	500-999	8,205	2,451	4,419	37	1,353	364	997	271	363
	1000 and Over	7,050	1,855	5,020	371	1,113	161	529	0	88
	Total	45,729	10,660	28,935	543	7,602	1,765	1,828	347	928

Alternative Energy Sources(b)

Coal

- (a) The Bureau of the Census classifies establishments using the North American Industry Classification System (NAICS).
- (b) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for coal during 2006. The quantities are expressed in thousands of short tons, and therefore represent the quantity of coal that could have been displaced by the given alternative type of energy.
- (c) 'Total Consumed' represents those quantities (Total Inputs) of coal that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.
- (d) 'Electricity Receipts' represents those quantities of electricity generated off the manufacturing establishment site and available at the site for consumption. It includes those quantities for which payment was made, quantities transferred in, quantities purchased and paid for by a central purchasing entity, and quantities for which payment was made in kind. It does not include electricity generated onsite. 'Electricity Receipts' has not been adjusted to account for any quantities that might have been resold or transferred out. The estimates include those quantities that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.
- (e) 'Other' includes all other types of energy not already identified that respondents indicated could have been consumed in place of coal.
- (f) Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census.
- NF=No applicable RSE row/column factor.
- * Estimate less than 0.5.
- W=Withheld to avoid disclosing data for individual establishments.
- Q=Withheld because Relative Standard Error is greater than 50 percent. NA=Not available.
- Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding.
- Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2006 Annual Survey of Manufacturers.'